

truncated cone and creating a region of intimate contact of the waste with itself whereby the waste is converted into coke which is used as fuel in the pyrolysis of the waste, a hopper for charging the waste at one end of said cell, an ash box at the other end of said cell, and a recovery chimney, in connection with said cell, for recovering pyrolysis gases from said cell.

**Please add the following new claims:**

16. (New) The according to Claim 2, wherein said region comprises a conical section positioned between said cylinder and said truncated cone.

17. (New) An apparatus for the pyrolysis of waste comprising a rotating cell formed of a cylinder, said cylinder having a diameter and two ends, in combination with a truncated cone rotating on the same axis, said truncated cone having a large base and a small base, said large base and said small base each having a diameter, the diameter of said cylinder being larger than the diameter of said large base of said truncated cone and a region extending between said large base of said truncated cone and said end of said cylinder which is adjacent to said large base of said truncated cone, said region forming a retaining threshold resulting from a difference in diameter between said cylinder and the diameter of the large base of the truncated cone and creating a region of intimate contact of the waste with itself whereby the waste is converted into coke which is used as fuel in the pyrolysis of the waste.

18. (New) The according to Claim 17, wherein said region comprises a conical section positioned between said cylinder and said truncated cone.

**REMARKS**

This amendment is in response to the Advisory Action mailed March 4, 2002.

**I. Interview of May 16, 2002**

Applicant would like to thank the Examiner for extending the courtesy of a telephonic interview with the Applicant's representatives on May 16, 2002. The substance of the interview is reflected in the Interview Summary faxed on May 16, 2002